

Logistics

Prime Power Program

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SUMMARY of CHANGE

AR 700-128

Prime Power Program

This revision changes the title of the program from "Nontactical Generator (NTG) Program" to "Prime Power Program." This revision also adds a provision to allow for the use of Prime Power Program assets in support of mobilization operations (para 2-3); clarifies management and user responsibilities (para 1-4 and 2-1); adds a glossary; updates MACOM designations and office symbols; and adds nine-digit ZIP codes.

Effective 5 July 1985

Logistics

Prime Power Program

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

DONALD J. DELANDRO
Brigadier General, United States Army
The Adjutant General

History. This UPDATE printing publishes a revision which is effective 5 July 1985. Because the structure of the entire revised text has been reorganized, no attempt has been

made to highlight changes from the earlier regulation dated 1 August 1978.

Summary. This regulation prescribes the objectives, responsibilities, and procedures for the operation and management of the Prime Power Program (P3). Chapter 1 explains the Program objectives and defines P3 asset management and user responsibilities. Chapter 2 provides information on the procedures for requesting equipment and technical support. Logistical and financial management are explained in chapters 3 and 4. A glossary of terms has been added to the regulation.

Applicability. This regulation applies to all Active Army and U.S. Army Reserve users of P3 assets. It does not apply to the Army National Guard.

Impact on New Manning System. This regulation does not contain information that affects the New Manning System.

Supplementation. Supplementation of this regulation and the establishment of forms

other than DA Forms are prohibited without prior approval from HQDA(DAEN-ZCM), WASH DC 20314-1000.

Interim changes. Interim changes to this regulation are not official unless they are authenticated by The Adjutant General. Users will destroy interim changes on their expiration dates unless sooner superseded or rescinded.

Suggested Improvements. The proponent agency of this regulation is the Chief of Engineers. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to HQDA(DAEN-ZCM), WASH, DC 20314-1000.

Distribution. Active Army, B; USAR, B; and ARNG, None.

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*This regulation supercedes AR 700-128, 1 August 1978.

RESERVED

Chapter 1 Objectives and Responsibilities

1-1. Purpose.

This regulation prescribes the objectives, responsibilities, and procedures for the operation and management of the Prime Power Program.

1-2. References.

Required publications are listed below.

- a. AR 725-50 Requisitioning, Receipt, and Issue System. (Cited in paragraph 3-2a.)
- b. AR 740-26 Physical Inventory Control. (Cited in paragraph 3-2a.)
- c. AR 750-1 Army Material Maintenance Concepts and Policies. (Cited in paragraph 3-5).
- d. DA Pamphlet 738-750 The Army Maintenance System--TAM-MS. (Cited in paragraph 3-4d.)
- e. TM 5-301 Series Army Facilities Components System--Planning. (Cited in paragraph 2-1b.)
- f. TM 5-302 Series Army Facilities Components System: Designs. (Cited in paragraph 2-1b.)
- g. TM 5-303 Series Army Facilities Components System: Logistic Data and Bills of Material. (Cited in paragraph 2-1b.)

1-3. Explanation of abbreviations and terms.

Abbreviations and special terms used in this regulation are explained in the glossary.

1-4. Prime Power Program objectives.

The objectives of this program are to--

- a. Provide an insurance level of prime utility power generation and transmission/distribution equipment which will be available to a theater commander during a military contingency operation when tactical generators can no longer economically satisfy electrical power requirements.
- b. Maintain a cadre of trained personnel to install, test, inspect, operate, maintain, and support P3 plants.
- c. Provide P3 assets on a loan basis to satisfy high priority electrical power requirements for special purposes and mobilization.
 - (1) Provide military and civilian disaster relief.
 - (2) Supplement existing electrical power sources during temporary planned or emergency outages.
 - (3) Provide temporary power for military construction and research and development projects.

1-5. Responsibilities.

a. *The Chief of Engineers.* The Chief of Engineers has overall responsibility for the management and execution of the P3. The US Army Corps of Engineers (USACE) will--

- (1) Program the acquisition, maintenance, and storage of electrical power generation and transmission/distribution equipment necessary to meet contingency requirements for prime utility power and not available elsewhere in the Army.
- (2) Ensure a mobilization capability exists which provides for the availability of manpower, repair parts, and equipment necessary to design, install, operate, maintain, and support P3 power plants and transmission/distribution systems.
- (3) Biannually revalidate P3 program requirements.
- (4) Operate a P3 loan program which will provide for the loan of P3 equipment to DOD, the Uniformed Services, and other Federal Agencies on a temporary basis; provide the user with technical advice and assistance in planning for and in deploying, installing, inspecting, testing, maintaining, and operating the equipment; and provide the user with training necessary to allow personnel to operate and maintain the equipment.
- (5) From within resources needed to meet program objectives, provide to other DA elements and Government agencies, upon request and on a reimbursable basis, engineering and operational support, technical advice and training not otherwise available on the

installation, and operation and maintenance of electrical power plants and transmission/distribution systems.

(6) In support of contingency deployment requirements--

(a) Develop doctrine in cooperation with HQ, TRADOC, relating to the deployment, operation, and maintenance of Prime Power Program assets.

(b) Provide a cadre of trained power plant personnel to provide a basis for formation of units to install, operate, and maintain prime utility power plants and transmission systems, and train personnel who will fill the bulk of these units.

(c) Provide the using command with technical advice and engineering support in the design, maintenance, and operation of prime utility electric power plants and transmission systems.

(d) Recall P3 assets on special purpose or mobilization deployment, based on priorities, for redeployment.

(e) Provide guidance to U.S. Army Materiel Command (AMC) on release of assets requested through normal logistics channels under Army Facilities Components Systems (AFCS.)

(f) Ensure that power plant and transmission/distribution system designs in the AFCS are up to date and compatible with current equipment and requirements.

(g) Provide major Army commands with approved planning factors and formulas to be used in determining P3 asset requirements for inclusion in contingency plans.

(7) In support of special purpose deployments--

(a) Evaluate requests for P3 assets to determine if they fall within the objectives of the Prime Power Program.

(b) Perform a technical evaluation of the requirement to determine the types of equipment required.

(c) Provide a cost estimate for the deployment.

(d) Negotiate the specific terms and agreements for the deployment.

(e) Provide necessary technical assistance and engineering support for the installation, operation, maintenance, and removal of P3 equipment.

(f) Provide operator and maintenance training, upon request, to the supported activity.

b. *Commanding General, Training and Doctrine Command (CG, TRADOC).* In cooperation with the Office Chief of Engineers, CG, TRADOC will--

(1) Develop and publish doctrine for tactical application relating to the deployment, operation, and maintenance of P3 assets.

(2) Develop TOE organizations capable of operating and maintaining P3 power plants and transmission/distribution systems.

(3) Develop a mobilization training program capable of meeting personnel requirements needed to support contingency deployments.

c. *Commanding General, U.S. Army Materiel Command (CG, AMC).* CG, AMC will--

(1) Overhaul and reprovision initial P3 assets retrograded from Vietnam.

(2) Procure P3 equipment and repair parts as required.

(3) Operate the national maintenance point for P3 assets.

(4) Provide the national inventory control point for P3 assets.

(5) Perform depot level maintenance on P3 equipment.

(6) Develop a logistic support plan for P3 equipment.

(7) Establish and maintain a mobilization reserve of repair parts needed to meet contingency deployment requirements.

d. *Using commands and agencies.*

(1) Major Army commands will determine P3 asset requirements for contingencies based on planning factor and formula information provided by USACE for that specific purpose.

(a) Include specific requirements in the Civil Engineering Support Plan (CESP) Appendix of published contingency plans.

(b) Request equipment through normal logistics channels under AFCS.

(c) Arrange, in conjunction with AMC, for the transportation of equipment to the theater of operations.

(d) Request deployment of P3 operations and maintenance units required to support the equipment.

(e) Install, operate, and maintain the deployed P3 assets.

(f) Notify the Chief of Engineers and AMC when the assets are no longer needed within the theater of operations.

(2) Commands and agencies requiring P3 assets for special purpose deployments will--

(a) Request P3 support from the Chief of Engineers.

(b) Fund for the transportation, operation, inspection, maintenance, and removal of P3 assets.

(c) Provide all operating and maintenance personnel once equipment is installed and operational. In special cases, assistance may be provided by the U.S. Army Corps of Engineers (USACE).

(d) Provide funds for that portion of the overhaul costs associated with the deployment. If the P3 equipment is not economically recoverable after deployment, the supported activity will pay for replacement on a prorated basis of amortized value compared to the original cost.

(3) Major Army commands, major commands of other uniformed services, and joint and unified commands will determine P3 asset requirements for mobilization based on planning factor and formula information provided by USACE for that specific purpose.

(a) Request P3 support from the Chief of Engineers.

(b) Fund for the transportation, operation, inspection, maintenance, and removal of P3 assets.

(c) Provide all operating and maintenance personnel once equipment is installed and operational. In special cases, assistance may be provided by USACE.

(d) Provide funds for that portion of the overhaul costs associated with the deployment. If the P3 equipment is not economically recoverable after deployment, the supported activity will pay for replacement on a prorated basis of amortized value compared to the original cost.

Chapter 2

Operation of the Prime Power Program

2-1. Contingency deployments.

a. Deployments in support of military contingency operations will be made to meet the needs of the theater commander. Normally, such requirements will be included in base development plans prepared for contingency operations. Additional equipment may be available to meet unforeseen requirements. Requests for additional equipment not contained in existing contingency plans will be forwarded to HQDA(DALO-SMS), WASH, DC 20310-0547. An information copy of such requests will be forwarded to HQDA(DAEN-ZCM), WASH, DC 20310-2600.

b. Contingency plans for base development will include power plants and distribution equipment necessary to meet operational requirements. Standard plants and distribution equipment available for the deployment are listed in the Army Facilities Components System (TM 5-301 series, TM 5-302 series and TM 5-303 series). Assistance in planning can be obtained from CDRUSAFESA(FESA-N) FT BELVOIR, VA 22060-5516.

c. Requests for equipment in support of military contingencies shall be submitted through normal logistics channels. At the time the request is received by AMC, the Chief of Engineers will be notified by AMC and will implement plans to provide technical support for the deployment. The Chief of Engineers, in coordination with the Deputy Chief of Staff, Logistics (DCSLOG), will allocate scarce P3 resources in accordance with overall Army mission requirements.

2-2. Special purpose deployments.

a. All requests for use of equipment in support of agencies or departments under the provisions of the disaster relief and assistance acts will be directed to HQDA(DAMO-ODS), WASH, DC 20310-0440.

b. All other requests for use of equipment will be directed to

HQDA(DAEN-ZCM), WASH, DC 20310-2600 and will be in the format prescribed in appendix A.

2-3. Mobilization deployments.

a. Deployments in support of military mobilization operations will be made only after determination that all needs of theater commanders have been met and that materiel requested is not required by any theater commander.

b. Mobilization plans will include power plants and distribution equipment necessary to meet mobilization requirements. Plans which include P3 resources will be forwarded to HQDA(DAEN-ZCM), WASH, DC 20310-2600.

c. Assistance in planning for the use of P3 resources can be obtained from the Commander, U.S. Army Facilities Engineering Support Agency (FESA-N) Ft Belvoir, VA 22060-5516.

2-4. Technical support.

Program assets consist of standard and military modified commercial equipment. If special requirements exist, USAFESA can provide technical support, consisting of trained personnel, engineering support, and specialized equipment.

a. Requests for technical assistance in support of contingency deployment will be in the format prescribed in appendix B and sent by any communication means to HQDA(DAEN-ZCM), WASH, DC 20310-2600.

b. Technical assistance for special purpose or mobilization deployment may be requested in the same manner as a contingency deployment. The costs associated with technical support of special purpose and mobilization deployments will normally be borne by the supported activity.

Chapter 3

Maintenance and Logistics.

3-1. General.

Prime Power Program assets will be accounted for, stored and maintained in a manner to provide maximum support for approved contingency operation plans and special purpose or mobilization deployments in accordance with existing regulations.

3-2. Accountability.

a. AMC operates the inventory control point for all P3 equipment. Records are maintained for all program assets, their location and condition. P3 assets will be maintained on AMC records under ownership/purpose code 9 in accordance with AR 725-50, chapter 5. The procedures in AR 740-26, chapter 2, will be followed in conducting physical inventories and maintaining accountability of P3 assets stored at AMC depots and under the accountability of an AMC materiel readiness command (MRC). The accountable property officer (APO) at the MRC will be accountable for the P3 assets as long as they remain at an AMC depot.

b. The Chief of Engineers will maintain property accountability on all P3 assets released by AMC for special purpose or mobilization deployment.

c. Activities or commands which are supported by P3 assets will be responsible for those assets.

3-3. Property disposal.

P3 assets which are determined to be in excess of, or no longer satisfy P3 requirements, will be reported by the Chief of Engineers to the AMC national inventory control point for disposition.

3-4. Maintenance.

a. AMC will establish and maintain the national maintenance point for all P3 equipment. The national maintenance point is responsible for the scheduling and performance of depot level maintenance work requirements (DMWR) established and approved by the Chief of Engineers.

b. The Chief of Engineers is responsible for the performance of

Intermediate Forward and Intermediate Rear level maintenance on P3 assets that are on a special purpose or mobilization deployment. Intermediate Forward and Intermediate Rear maintenance for contingency deployments is the responsibility of the theater commander.

c. Activities or units operating P3 assets are responsible for performing the unit or operator maintenance described in the equipment technical manual.

d. Maintenance management and records at all levels will be in accordance with DA Pamphlet 738-750 (The Army Maintenance Management System).

3-5. Logistics support plan.

Logistics support plans will be developed by AMC, with assistance from USACE. These plans will provide the necessary interface for the introduction of specific P3 inventory assets into a theater of operations and will be in accordance with the provisions of, AR 750-1, appendix K.

Chapter 4 Financial Management

4-1. General.

Funds for the deployment of Prime Power Program assets are provided by the theater, unit or activity to be supported by these assets. Budgeting and funding procedures will be arranged through respective command channels. Funds for other operations of the Prime Power Program will be programmed by the Office, Chief of Engineers (OCE).

4-2. Contingency deployments.

Expenses incurred in the deployment, installation, operation, and maintenance of P3 program assets in a theater of operations to satisfy a military contingency requirement will be funded in accordance with the instructions issued by theater commander.

4-3. Special purpose and mobilization deployments.

a. Direct expenses incurred by USACE in satisfaction of special purpose and mobilization deployments will be recovered to the maximum extent possible. Such funds received from usage of P3 assets will be credited against the appropriate account designated by USACE. Billing for prepayment of overhaul/repair costs will be accomplished by USACE; payment instruction will accompany the bill.

b. Prime Power Program expenses not reimbursed by the user of P3 assets will be chargeable to Operations Maintenance, Army (OMA) mission funds provided by USACE.

c. Deployment in support of domestic, military or civil disaster relief or foreign civil assistance operations will be funded by the agency responsible for conducting the operation from the fund provided for, or as directed by DOD.

Appendix A

Format for Noncontingency Equipment Requests

A-1. Technical data.

Requests for use of P3 should include the following data to expedite consideration of the request:

- a.* kW rating desired.
- b.* Voltage necessary.
- c.* On-site transformer capability.
- d.* Voltage connection (DELTA-WYE).
- e.* Available ground support equipment.
- f.* System frequency.
- g.* POL availability.
- h.* Transit handling capability.

A-2. Justification.

Justification will include designation of the project to be supported and information on possible effects if equipment is not made available.

A-3. Special factors.

Request for use of P3 equipment should include any special requirements which would influence type of equipment supplied. Such factors should include, but are not limited to, the following:

- a.* Weight and dimensional restrictions on equipment caused by bridges, handling equipment, roadbed, and so forth.
- b.* Power factor of system load.
- c.* Pulse loads.
- d.* Operation and maintenance capabilities.
- e.* Special environmental considerations.
- f.* Lack of capability to procure repair parts.

Appendix B

Format for Requesting Technical Support

B-1. General.

Requests for technical support in conjunction with the utilization of P3 equipment and not available from local sources should be forwarded to CDRUSAFESA (FESA-N) FT BELVOIR, VA 22060-5516, by letter or message.

B-2. Technical support.

Requests should identify the technical support desired and include the following:

- a.* Estimated duration of required support.
- b.* Local support available.
- c.* Funding procedures.
- d.* Availability of supplies and materials.
- e.* Availability of billeting and messing facilities.
- f.* Availability of transportation.

B-3. Special factors.

Request should include any special factors which will influence the technical support. Such factors include, but are not limited to, the following:

- a.* Immunization requirements.
- b.* Special skills required.
- c.* Language requirements.
- d.* Area clearance and passport requirements.

Glossary

Section I Abbreviations

AFCS

Army Facilities Components System

AMC

Army Materiel Command

APO

Accountable property officer

ARNG

U.S. Army National Guard

CDRUSAFESA

Commander, U.S. Army Facilities Engineering Support Agency

CESP

Civil Engineering Support Plan

DA

Department of the Army

DCSLOG

Deputy Chief of Staff, Logistics

DCSOPS

Deputy Chief of Staff, Operations

DMWR

Depot Maintenance Work Requirements

DOD

Department of Defense

HQ, TRADOC

Headquarters, U.S. Army Training and Doctrine Command

HQDA

Headquarters, Department of the Army

KW

Kilowatt

MACOM

Major command

MRC

Material Readiness Command

OCE

Office, Chief of Engineers

OMA

Operations and Maintenance, Army

P3

Prime Power Program

POL

Petroleum, oil and lubricants

TM

Technical manual

TOE

Table of organization and equipment

USACE

U.S. Army Corps of Engineers

USAFESA

U.S. Army Facilities Engineering Support Agency

USAR

United States Army Reserve

Section II Terms

Army Facilities Component System (AFCS) power plant

Standard power plant configurations ranging in size from 1,000 to 10,000 kW. Standard designs are contained in TM 5-302 series and includes available Prime Power Program equipment.

Contingency deployment

The shipment of P3 assets to support an Army military contingency requirement in a theater of operations.

Mobilization deployment

A deployment of P3 assets authorized by the Chief of Engineers for support of a mobilization requirement.

Powerplant

A combination of generating units (diesel engine--generators; gas or steam turbine--generators), control units, auxiliary equipment and structures (buildings and fuel oil storage tanks) designed to provide regulated electrical energy into a transmission and distribution system.

Prime Power Program (P3)

A program established to provide an insurance level of prime utility electrical power generation and transmission/distribution equipment with a capability to deploy, operate, maintain and support the equipment.

Prime utility

Generator designed for long term use in semifixed locations for extended periods of time to provide power for general purpose applications. Generator output normally requires transformation to utilization voltage at load centers.

Special purpose deployment

Any deployment of P3 assets authorized by the Chief of Engineers for support of other than a contingency or mobilization requirement.

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